

DOCKET NO. ISIS-4407



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Yogesh S. Sanghvi and Quanlai Song

Group Art Unit: N/A

Examiner: N/A

For: PROCESS FOR THE PREPARATION OF
OLIGONUCLEOTIDES

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent ☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

- ☐ is attached hereto.
- ☒ **was filed on August 16, 2000 as Serial No. 09/640,279 .**
- ☐ said application having been amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a-d) of any **foreign application(s)** for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

DOCKET NO. ISIS-4407

- 2 -

PATENT

Priority Claimed (If X'd)	Country	Serial Number	Date Filed
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____
<input type="checkbox"/>	_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Serial Number	Date Filed	Patented/Pending/Abandoned
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Serial Number	Date Filed
_____	_____
_____	_____

I hereby appoint the following persons as attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John W. Caldwell

Registration No. 28,937

Joseph Lucci

Registration No. 33,307

of **WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103 and

Herb Boswell

Registration No. 27,311

Laurel Bernstein

Registration No. 37,280

Robert S. Andrews

Registration No. 44,508

April Logan

Registration No. 33,950

Neil S. Bartfeld

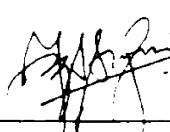
Registration No. 39,901

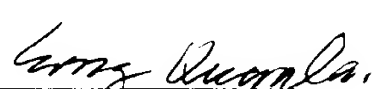
of **ISIS PHARMACEUTICALS, INC.**, 2292 Faraday Avenue, Carlsbad, California 92008

Address all telephone calls and correspondence to:

Joseph Lucci, Esquire
**WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP**
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone No.: (215) 568-3100
Facsimile No.: (215) 568-3439

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name: Yogesh S. Sanghvi	 _____ Signature Date of Signature: <u>8/31/00</u> Citizenship: <u>USA</u>
Mailing Address: 2169 Wandering Road Encinitas, CA 92024	
City/State of Actual Residence: Encinitas, CA 92024	

Name: Quanlai Song	 _____ Signature Date of Signature: <u>8/31/2000</u> Citizenship: <u>China</u>
Mailing Address: 586 Barham Drive #300 San Marcos, CA 29078 92078	
City/State of Actual Residence: San Marcos, CA 29078 92078	

DOCKET NO. ISIS-4407



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Yogesh S. Sanghvi and Quaniai Song

Serial No.: 09/640,279

Group Art Unit: N/A

Filed: August 16, 2000

Examiner: N/A

For: PROCESSES FOR THE PREPARATION
OF OLIGONUCLEOTIDES

Assistant Commissioner for Patents
Washington DC 20231

ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN KURTZ
MACKIEWICZ & NORRIS LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania
19103, Attorney and/or Agents for Applicant(s), hereby appoints the following:

Robert B. Washburn	Registration No. 16,574	Harold H. Fullmer	Registration No. 42,560
Richard E. Kurtz	Registration No. 19,263	William R. Richter	Registration No. 43,879
John J. Mackiewicz	Registration No. 19,709	John E. McGlynn	Registration No. 42,863
Norman L. Norris	Registration No. 24,196	Kimberly R. Hild	Registration No. 39,224
Dale M. Heist	Registration No. 28,425	Jonathan M. Waldman	Registration No. 40,861
John W. Caldwell	Registration No. 28,937	Chad Ziegler	Registration No. 44,273
Gary H. Levin	Registration No. 28,734	Gwilym J.O. Attwell	Registration No. 45,449
Steven J. Rocci	Registration No. 30,489	David N. Farsiou	Registration No. 44,104
Dianne B. Elderkin	Registration No. 28,598	Paul K. Legaard	Registration No. 38,534
Francis A. Paintin	Registration No. 19,386	Maureen S. Gibbons	Registration No. 44,121
John P. Donohue, Jr.	Registration No. 29,916	Steven H. Meyer	Registration No. 37,189
Henrik D. Parker	Registration No. 31,863	Paul B. Milcetic	Registration No. P46,261
Suzanne E. Miller	Registration No. 32,279	Joseph R. Condo	Registration No. 42,431
Lynn B. Morreale	Registration No. 32,842	Michael K. Jones	Registration No. 41,100
Mark DeLuca	Registration No. 33,229	Frank T. Carroll	Registration No. 42,392
Michael P. Dunnam	Registration No. 32,611	Hans J. Crosby	Registration No. 44,634
Michael D. Stein	Registration No. 34,734	Mark J. Rosen	Registration No. 39,822
Albert J. Marcellino	Registration No. 34,664	Rena Patel	Registration No. 41,412
David R. Bailey	Registration No. 35,057	Mitchell R. Brustein	Registration No. 38,394
Doreen Yatko Trujillo	Registration No. 35,719	Eric H. Vance	Registration No. P47,151
Barbara L. Mullin	Registration No. 38,250	Peter M. Ullman	Registration No. 43,963
Kevin M. Flannery	Registration No. 35,871	Thomas E. Watson	Registration No. 43,243
Michael P. Straher	Registration No. 38,325	Richard B. LeBlanc	Registration No. 39,495
David A. Cherry	Registration No. 35,099	Joseph D. Rossi	Registration No. P47,039
Terence P. Strobaugh	Registration No. 25,460	George J. Awad	Registration No. P46,528
Lynn A. Malinoski	Registration No. 38,788	Steven D. Maslowski	Registration No. P46,905
Michael J. Swope	Registration No. 38,041	S. Maurice Valla	Registration No. 43,966
Michael J. Bonella	Registration No. 41,628	Vincent J. Roccia	Registration No. 43,887

DOCKET NO. ISIS-4407

- 2 -

PATENT

Robin S. Quartin
Maria M. Kourtakis

Registration No. 45,028
Registration No. 41,126

Christine A. Goddard
Gregory L. Hillyer
Patrick J. Farley
Ellen M. Klann
Steven B. Samuels

Registration No. P46,731
Registration No. 44,154
Registration No. 42,524
Registration No. 44,836
Registration No. 37,711

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP at the above address.

Date: September 11, 2000



Joseph Lucci
Registration No. 33,307

Woodcock Washburn Kurtz
Mackiewicz & Norris LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439